

SECRET

a parameter setting unit which sets a parameter
representing contents of a predetermined image processing to be
5 executed on image data;

10 a data acquiring unit which acquires the image data and
the parameter by referring to the relating information; and
an image processing reproducing unit which obtains image
data subjected to the specified image processing based on the
acquired image data and parameter.

15 a parameter setting unit which sets a parameter
representing contents of a predetermined image processing to be
executed on image data; and

3. An image data processing apparatus in which a
20 parameter representing contents of a predetermined image
processing to be executed on image data and the image data are
saved together with mutual relating information, the apparatus
comprising;

an image processing reproducing unit which obtains image data subjected to the specified image processing based on the

acquired image data and parameter.

4. The image data processing apparatus according to any of claims 1 to 3, wherein the parameter represents a type or degree of an image processing.

5 5. The image data processing apparatus according to any of claims 1 to 3, wherein there are a plurality of parameters every image processing type.

6. The image data processing apparatus according to claim 1 or 3, wherein a plurality of parameters can be saved and
10 execution can selectively be performed from the parameters.

7. The image data processing apparatus according to any of claims 1 to 3, 5 and 6, wherein the parameter includes execution order information for carrying out an image processing in predetermined order.

15 8. The image data processing apparatus according to any of claims 1 to 3, wherein the parameter is divided into a plurality of selectable sets, and an image processing is carried out based on a set of parameters which are selected during execution.

9. The image data processing apparatus according to any
20 of claims 1 to 3, wherein the parameter is divided into a plurality of sets and the sets of parameters are separately used depending on a situation of a pixel.

10. The image data processing apparatus according to any of claims 1 to 3, wherein the data saving unit can partition a
25 storage region as a hierarchical structure and the image data and the parameter are divided with the hierarchical structure.

11. The image data processing apparatus according to any

of claims 1 to 3, wherein the data saving unit relates and saves thumb nail data of the image data together with the parameter.

12. The image data processing apparatus according to any
of claims 1 to 3, wherein the image data are managed on a storage
5 device differently from the parameter.

13. The image data processing apparatus according to any of claims 1 to 3, wherein the parameter setting unit sets contents of an image processing based on a result obtained by statistically analyzing the image data.

10 14. The image data processing apparatus according to
claim 1 or 3, wherein the image processing reproducing unit
selects an image processing section to execute an image
processing represented by the parameter and executes the image
processing.

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15      15.  A medium recording an image data set recording:
image data;
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a parameter representing contents of a predetermined image processing such that the image processing can be carried out for corresponding image data; and

20 relating information for relating the image data to the
parameter such that the contents of the image processing
represented by the parameter can be executed on the image data.

16. A medium recording an image data processing program
for causing a computer to execute an image processing on image
25 data, comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image processing to be

executed on image data;

a data saving step of saving the image data and the parameter together with relating information;

a data acquiring step of acquiring the image data and the
5 parameter by referring to the relating information; and

an image processing reproducing step of obtaining image data subjected to the specified image processing based on the acquired image data and parameter.

17. A medium recording an image data processing program
10 for causing a computer to execute an image processing on image
data, comprising:

a parameter setting step of setting a parameter representing contents of a predetermined image processing to be executed on image data; and

15 a data saving step of saving the image data and the
parameter together with relating information.

18. A medium recording an image data processing program for causing a computer to execute an image processing on image data,

20 a parameter representing contents of a predetermined image
processing to be executed on image data and the image data being
saved together with mutual relating information, the medium
comprising;

a data acquiring step of acquiring the image data and the
25 parameter by referring to the relating information; and

an image processing reproducing step of obtaining image data subjected to the specified image processing based on the

acquired image data and parameter.

19. The medium recording an image data processing program according to any of claims 16 to 18, wherein the parameter represents a type or degree of an image processing.

5 20. The medium recording an image data processing program according to any of claims 16 to 18, wherein there are a plurality of parameters every image processing type.

21. The medium recording an image data processing program according to any of claims 16 to 18, wherein a plurality
10 of parameters can be saved and execution can selectively be performed from the parameters.

22. The medium recording an image data processing program according to any of claims 16 to 18, 20 and 21, wherein
15 the parameter includes execution order information for carrying out an image processing in predetermined order.

23. The medium recording an image data processing program according to any of claims 16 to 18, wherein the parameter
is divided into a plurality of selectable sets, and an image
processing is carried out based on a set of parameters which
20 correspond to execution conditions.

24. The medium recording an image data processing program according to any of claims 16 to 18, wherein the parameter
is divided into a plurality of sets and the sets of parameters
are separately used depending on a situation of a pixel.

25 25. The medium recording an image data processing program according to any of claims 16 to 18, wherein the data
saving step utilizes a storage region which can be partitioned

as a hierarchical structure and the image data and the parameter are divided with the hierarchical structure.

26. The medium recording an image data processing program according to any of claims 16 to 18, wherein the data saving step relates and saves thumb nail data of the image data together with the parameter.

27. The medium recording an image data processing program according to any of claims 16 to 18, wherein the image data are read and written on a storage device differently from the parameter at the data saving step and the data acquiring step.

28. The medium recording an image data processing program according to any of claims 16 to 18, wherein the parameter setting step sets contents of an image processing based on a result obtained by statistically analyzing the image data.

29. The medium recording an image data processing program according to any of claims 16 to 18, wherein the image processing reproducing step selects an image processing program to execute an image processing represented by the parameter and executes the image processing.

30. An image data processing method in which a parameter representing contents of a predetermined image processing to be executed on image data is set, the image data and the parameter are saved together with relating information, and

the image data and the parameter are acquired by referring to the relating information, and image data subjected to the specified image processing are obtained based on the acquired image data and parameter.

31. An image data processing method in which a parameter representing contents of a predetermined image processing to be executed on image data is set and the image data and the parameter are saved together with relating information.

5 32. An image data processing method in which a parameter
representing contents of a predetermined image processing to be
executed on image data and the image data are saved together with
mutual relating information, and

the image data and the parameter are acquired by referring
10 to the relating information, and image data subjected to the
specified image processing are obtained based on the acquired
image data and parameter.

33. The image data processing method according to claim
30, wherein thumb nail data of the image data are related and
15 saved together with the parameter.

34. The image data processing method according to any of claims 30 to 32, wherein the image data are managed on a storage device differently from the parameter.

35. The image data processing method according to any
20 of claims 30 to 32, wherein the image data are statistically
analyzed and contents of an image processing are set based on
a result of the analysis.

36. The image data processing method according to claim 30 or 32, wherein an image processing section is selected to execute an image processing represented by the parameter and is caused to execute the image processing.